

Listing of Claims

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (canceled)
8. (Currently amended) A regenerative thermal oxidizer for processing a gas, comprising:
 - a combustion zone;
 - a first heat exchange bed containing heat exchange media and in communication with said combustion zone;
 - a second heat exchange bed containing heat exchange media and in communication with said combustion zone;
 - a rotatable switch valve for alternating the flow of said gas between said first and second heat exchange beds, said rotatable switch valve comprising a radial duct enclosed by an outer housing, a retaining ring coupled to said rotatable switch valve, a mounting ring coupled to said rotatable switch valve and spaced from said retaining ring, and a ring seal between said retaining ring and said mounting ring and in fluid communication with said radial duct, said ring seal having a bore adapted to allow gas flow to or from said radial duct and form a pressurized seal with said outer housing.

9. (Previously presented) The regenerative thermal oxidizer of claim 8, wherein said rotatable switch valve further comprises a first valve port in fluid communication with said first heat exchange bed and a second valve port separate from said first valve port and in fluid communication with said second heat exchange bed, said regenerative thermal oxidizer further comprising a cold face plenum comprising at least one baffle for dividing said first and second valve ports into a plurality of chambers.

10. (Previously presented) The regenerative thermal oxidizer of claim 9, wherein each of said chambers is congruent with respect to one another.

11. (Original) The regenerative thermal oxidizer of claim 8, wherein said rotatable switch valve is housed in a manifold having a manifold inlet and a manifold outlet, and said rotatable switch valve comprises an inlet passageway and an outlet passageway, and wherein said manifold inlet is in fluid communication with said inlet passageway of said rotary valve, and said manifold outlet is in fluid communication with said outlet passageway of said rotatable switch valve.

12. (Previously presented) The regenerative thermal oxidizer of claim 8, further comprising means for causing gas to flow into said radial duct, and between said ring seal and said outer housing.

13. (Original) The regenerative oxidizer of claim 8, further comprising drive means for rotating said switch valve.
14. (canceled)
15. (Newly added) The regenerative thermal oxidizer of claim 8, wherein said rotatable switch valve further comprises a retaining arc positioned between said retaining ring and said mounting ring.
16. (Newly added) The regenerative thermal oxidizer of claim 15, wherein one of said mounting ring has a tongue and said retaining arc has a groove for receiving said tongue.